UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawings,
Sheet 13, Figure 14, "SILYCON" should read -- SILICONE --.

Column 1,
Line 37, "e.g. SPIE" should read -- e.g., SPIE --.
Line 59, "Struc" should read -- struc --.
Line 67, "then" should read -- than --.

Column 2,
Line 18, "No. 09-127321" should read -- No. 9-127321 --.
Line 32, "etc. In" should read -- etc. in --.
Line 47, "Publication Laid-Open No. 6-16450" should read -- Application Laid-Open No. 6-16450 --.
Line 53, "2-ethozy-ethyl" should read -- 2-ethoxy-ethyl --.

Column 3,
Line 1, "region,.of" should read -- region, of --.
Lines 20 and 26, "O_2" should read -- O_2) --.
Line 30, "inthird" should read -- third --.

Column 5,
Line 54, "Example 1:" should read -- Example 1; --.

Column 6,
Line 29, "χ^j" should read -- χ^1 --.
Line 41, "<40" should read -- ≤ 40 --.

Column 7,
Line 62, "an" should read -- on --.

Column 8,
Line 11, "(n_d1.38)" should read -- (n_d=1.38) --.
Line 14, "TiO_2," should read -- TiO_2 --.
Line 16, "$BaTiO_3$," should read -- $BaTiO_3$ --.
Line 63, "6.667" should read -- 6.667 --.

Column 9,
Lines 25 and 27, "TiO_2," should read -- TiO_2 --.
Line 36, "In" should read -- in --.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9 (cont'd),
Lines 37 and 63, "6.667" should read -- -6.667 --.
Line 40, "v_b" should read -- v_d --.

Column 10,
Line 19, "with" should read -- with PMMA. --.
Line 21, "6.667" should read -- -6.667 --.

Column 11,
Line 18, "n_d" should read -- (n_d --.
Line 22, "film" should read -- films --.

Column 12,
Line 11, "180C" should read -- 180°C --.
Line 19, "U1000" should read -- U4000 --.
Line 42, "TiO_2" should read -- TiO_2, --.
Line 48, "(C_4F_9)" should read -- $(C_4F_9)_3N$ --.
Line 63, "is" should be deleted.

Column 13,
Line 19, "reflective" should read -- refractive -- and "V_d" should read -- v_d --.
Line 37, "N-3" should read -- N-(3 --.
Lines 39 and 48, "TiO_2," should read -- TiO_2 --.
Line 57, "DK7" should read -- BK7 --.

Column 14,
Line 16, "TiO_2," should read -- TiO_2 --.
Line 43, "1.9581" should read -- 1.8581 --.

Column 15,
Line 20, "6.667" should read -- $-6.667 \times 10^{-3} v_d + 1.70$, --.
Line 23, "Kanabo" should read -- Kanebo -- .
Line 26, "articles" should read -- particles --.
Line 39, "(n_d>1 .29)" should read -- (n_d=1.29) --.
Line 63, "n_d" should read -- (n_d --.
Line 65, "$v_d \leq$" should read -- $v_d \leq 40$ --.

Column 16,
Line 5, "TiO_2," should read -- TiO_2 --.
Line 7, "γ-methacryloxpropyltrimethoxysilane" should read
-- γ-methacryloxypropyltrimethoxysilane --.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 16 (cont'd),
Line 16, "((n_d=1.59)" should read -- (n_d=1.59) --.
Line 17, "((n_d =1.48)" should read -- (n_d=1.48) --.

Column 17,
Line 34, "ethyltrimethoxysilone" should read -- ethyltrimethoxysilane --.
Line 35, "wan" should read -- was --.
Line 53, "BSK7" should read -- BK7 --.

Column 18,
Line 18, "v_d" should read -- v_d) --.
Line 30, "n_d,v_d)=(1.5931" should read -- (n_d,v_d)=(1.5938 --.
Line 46, "late;" should read -- late: --.

Column 19,
Line 43, "v_d,)" should read -- v_d) --.
Lines 50 and 57, "TiO_2," should read -- TiO_2 --.

Column 20,
Line 2, "on for" should read -- on, or for --.
Line 24, "O^2" should read -- O_2 --.
Line 30, "TiO_2," should read -- TiO_2 --.
Line 67, "due" should read -- due to attachment --.

Column 21,
Line 5, (Table 1), "1-30" should read -- 1-x --, and "O_3" should read -- O_2 --.
Line 12, (Table 1), "1.365" should read -- 1.366 --.
Line 26, (Table 2), "93" should read -- 19 --.
Line 27, (Table 2), "1.475 17.6" should read -- 1.478 17.8 --.
Lines 59, 61, 63 and 65, (Table 4), "N_d" should read -- n_d --.

Column 23,
Line 10, "n_d,v_d" should read -- (n_d,v_d) -- and "1.8581" should read -- (1.8581 --.
Line 12, "v_d" should read -- v_d) --, and "1.525" should read -- (1.525 --.
Line 16, "(N_d,v_d = 1.8581" should read -- (n_d,v_d) = (1.8581 --.
Line 17, "15.6" should read -- 15.5 --.
Line 18, "(N_d,v_d=1.534" should read -- (n_d,v_d) = (1.534 --.
Line 41, "<" should read -- $\leq$ --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,759,471 B1
DATED   : July 6, 2004
INVENTOR(S) : Hideo Ukuda

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 25,
Line 12, "ration" should read -- ratio --.
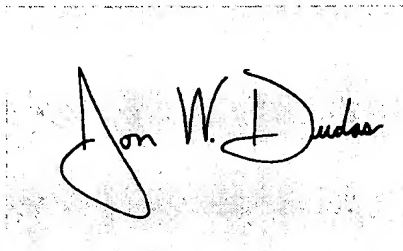
Column 27,
Line 6, "material a" should read -- material, a --.

Column 28,
Line 20, "22, or 23" should read -- 22 or 23 --.

Signed and Sealed this

Eighth Day of November, 2005

JON W. DUDAS
Director of the United States Patent and Trademark Office